

SE5.AB						
VNGLE DOOR, CARD IN, FREE EXIT, ELECTRIC PANIC WITH REX, 24VDC FAIL SECURE, PIEZO, SIRE						
DOOR HARDWARE						
#	QTY	Description	MANUFACTURE	MODEL #	CODE	NOTES
1	1	RIM PANIC WITH REX	VON DUPRIN	RX-LD98L	D	1, 2, 4, 6
2	1	ELECTRIC TRIM, 24VDC, FAIL SECURE	COMMAND ACCESS	V96EU-24-17-FINISH	D	1, 2, 4, 6
3	1	ELECTRIC HINGE, 4 WIRE, 630, CENTER TO CENTER TRANSFER, UL-F RATED	COMMAND ACCESS		D	1, 2, 4, 6
SECURITY EQUIPMENT						
#	QTY	Description	MANUFACTURE	MODEL #	CODE	NOTES
1	AR	SURFACE MOUNT ACCESS CONTROL / SECURITY ENCLOSURE & PANEL	GAYLORD	10104HC1WT	A, E	8, 9
2	1	FLUSH MOUNT ACCESS CONTROL / SECURITY ENCLOSURE & PANEL	GAYLORD	10104TCFWT	A, E	8, 9
3	1	ACCESS CONTROL INTERFACE	UTC SECURITY	430160001	A, I	
4	1	MULTI TECHNOLOGY MIDRANGE READER	SCHLAGE	SXF-2100PIV	A, I	3
5		MULTI TECHNOLOGY MULLION READER	SCHLAGE	SXF-1100PIV	A, I	3
6		RELAY MODULE, DOUBLE POLE, DOUBLE THROW	ALTRONIX	RBSST	A, I	9
7		RELAY MODULE, SINGLE POLE, DOUBLE THROW	ALTRONIX	RB30	A, I	9
8		RELAY MODULE, DOUBLE POLE, DOUBLE THROW	ALTRONIX	RBSNTTL	A, I	9
9		RELAY MODULE SNAP TRAC	ALTRONIX	ST1	A, I	
10	1	1" PUSH TO FIT CONTACT	GRI SECURITY	184-12WGG	A, I	5, 9
11	AR	SURFACE MOUNT CONTACT	GRI SECURITY	4400A	A, I	5, 9
12		ROLL-UP CONTACT	GRI SECURITY	4332L	A, I	9
13	AR	RESISTOR PACK	GRI SECURITY	6644T	A, I	9
14	AR	TAMPER SWITCH	GRI SECURITY	TSW-01	A, I	9
15	1	PIEZO	ATW	PS-405	A, I	10
16	1	SIREN	HONEYWELL	746LC	A, I	
17	AR	4-40 X MALE / FEMALE X 1/2" X 1/4" HEX STAINLESS STEEL STANDOFF	OLANDER	4C50HMA6	A, I	
18	AR	4-40 X 1/4" BINDER HEAD SLOTTED SCREW STAINLESS STEEL	OLANDER	4C25S6MS	A, I	
19	AR	4-40 KEPT NUT STAINLESS STEEL	OLANDER	4CKMT3	A, I	
20	AR	6-32 X 1/2" STAINLESS STEEL	OLANDER	6C50S6MS	A, I	
21	AR	6-32 X 1/4" TORX PIN TAMPER	OLANDER	6C25BHS/T	A, I	3
22	AR	6-32 X 3/8" TORX PIN TAMPER	OLANDER	6C37BHS/T	A, I	3
23	AR	10-32 X 3/8" TORX PIN TAMPER	OLANDER	10F37BHS/T	A, I	3
24	AR	10-32 X 1/2" TORX PIN TAMPER	OLANDER	10F50BHS/T	A, I	3
25	AR	10-32 X 3/4" TORX PIN TAMPER	OLANDER	10F75BHS/T	A, I	3
26	AR	1/4-20 X 1/2" TORX PIN TAMPER	OLANDER	25C50BHS/T	A, I	3
27	AR	6-32 X 1 1/2" SCREW PHILIPS STAINLESS	OLANDER	6C150PPMS	A, I	
28	AR	6-32 X 2" SCREW PHILIPS STAINLESS	OLANDER	6C200PPMS	A, I	
29	AR	6 X 1 1/2" SHEET METAL SCREW PHILIPS STAINLESS	OLANDER	6N150PP@S	A, I	
30	AR	8 X 1 1/2" SHEET METAL SCREW PHILIPS STAINLESS	OLANDER	8N150PP@S	A, I	
31	AR	8 X 2" SHEET METAL SCREW PHILIPS STAINLESS	OLANDER	8N200PP@S	A, I	
32	AR	CONCRETE ANCHOR & SCREW KIT FOR ROLL-UP CONTACTS ONLY	HILTI	00336483	B	
33	AR	3/16" X 1 1/4" CONCRETE ANCHOR/SCREW KIT FOR WALL MOUNTING	HILTI	03477615	B	
34	AR	1/4" X 1 1/4" CONCRETE ANCHOR/SCREW KIT FOR WALL MOUNTING	HILTI	03477607	B	
35	1	TERMINAL STRIP 18 POINT	MULTICOMP	MC24322	A	
36	1	INLINE FUSE ILLUMINATING HOLDER 16 AWG LEADS	COOPER BUSSMANN	ATC-FHID	A	
37	2	ATC FUSE 1 AMP	COOPER BUSSMANN	ATC-1	A	
38	36	22-16 (RED) SPADE LUG #6	AMP	8-326861-1	A	
39	AR	16-14 (BLUE) SPADE LUG #6	AMP	8-326861-1	A	
40	AR	24-20 (NATURAL) BUTT SPLICE	AMP	323975	A	
41	AR	22-16 (RED) BUTT SPLICE	AMP	320559	A	
42	AR	16-14 (BLUE) BUTT SPLICE	AMP	320562	A	
43	AR	16-14 & 22-16 (BLUE & RED) BUTT SPLICE	AMP	327583	A	
44	AR	HOOK UP WIRE UL1007 / UL1569 300 VOLT RED	OMNI	L8185T-03	A	
45	AR	HOOK UP WIRE UL1007 / UL1569 300 VOLT BLACK	OMNI	L8185T-01	A	
46	AR	HOOK UP WIRE UL1007 / UL1569 300 VOLT WHITE	OMNI	L8185T-02	A	
47	AR	HOOK UP WIRE UL1007 / UL1569 300 VOLT GREEN	OMNI	L8185T-04	A	
48	AR	HOOK UP WIRE UL1007 / UL1569 300 VOLT YELLOW	OMNI	L8185T-08	A	
49	AR	HOOK UP WIRE UL1007 / UL1569 300 VOLT BLUE	OMNI	L8185T-05	A	
50	AR	HOOK UP WIRE UL1007 / UL1569 300 VOLT ORANGE	OMNI	L8185T-07	A	
51	AR	HOOK UP WIRE UL1007 / UL1569 300 VOLT BROWN	OMNI	L8185T-10	A	
52	AR	HOOK UP WIRE UL1007 / UL1569 300 VOLT VIOLET	OMNI	L8185T-09	A	
53	AR	HOOK UP WIRE UL1007 / UL1569 300 VOLT SLATE	OMNI	L8185T-06	A	
54	AR	DIODE, ROHS COMPLIANT, UL FLAMABILITY CLASSIFICATION RATING 94V-0		1N4004	C	
55	AR	SURFACE MOUNT 4-11 JUNCTION BOX	UL LISTED	-	C	3
56	AR	SURFACE MOUNT 4-SQUARE JUNCTION BOX	UL LISTED	-	C	3
57	AR	TWO SCREW CONNECTOR 1/2" STEEL-ELECTRO ZINC PLATED	Thomas & Betts	3302-TB	C	3
58	AR	CABLE CLAMP UV BLACK NYLON	IDEAL	IT250CCL-C0	A	
SECURITY EQUIPMENT NOTES			CODE INDEX			
1	IF USING OTHER MANUFACTURE FOR LOCKING HARDWARE, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.		A)	NO SUBSTITUTE		
2	HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.		B)	OR APPROVED EQUAL		
3	SECURITY CONTRACTOR TO SUPPLY AND INSTALL TAMPER SCREWS ON ALL CARD READERS, JUNCTION BOXES, AND TWO SCREW CONNECTORS.		C)	OR EQUAL		
4	FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND DEVICES.		D)	BY GENERAL CONTRACTOR		
5	USE SURFACE MOUNT CONTACT WHEN IT'S NOT POSSIBLE TO INSTALL RECESSED CONTACT.		E)	BY OWNER		
6	ONLY USE ONE PART DEPENDING ON FIELD CONDITIONS. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.		F)	EXISTING		
7	USE STAINLESS STEEL FINISH, 629 & 630, FOR ALL LABS AND EXTERIOR DOORS.		G)	REFER TO DRAWING PACKAGE		
8	INSTALL TAMPER SWITCH ON THE ACCESS CONTROL / SECURITY INTERFACE ENCLOSURE IF INSTALLED ON THE UNSECURED SIDE OF THE DOOR.		H)	REFER TO SCOPE DEFINITION		
9	ALL 200I INPUTS MUST HAVE END OF LINE RESISTOR PACKS.		I)	BY SECURITY CONTRACTOR		
10	INSTALL THE PIEZO IN ONE OF THE 1/2" KOS ON THE 4-11 JUNCTION BOX. IF THE 4-11 JUNCTION BOX IS INSIDE THE WALL, THE PIEZO CAN BE INSTALLED ON THE ACCESS CONTROL INTERFACE BY DRILLING A 3/4" HOLE ON EITHER SIDE.		J)	REFER TO HARDWARE SCHEDULE		
11	WHEN ORDERING THE LATCH RETRACTION DOOR KIT, SPECIFY DOOR WIDTH, 36" OR 48".					
12	ONLY SELECT ONE PART DEPENDING ON FIELD CONDITIONS. REFER TO DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION.					

AB-2

SINGLE DOOR, CARD IN/FREE EXIT
ELECTRIC PANIC w/REX SWITCH
LOCAL NOISE (SIREN & PIEZO), 24 VDC FAIL SECURE
EQUIPMENT LIST

SCALE: N.T.S.

LBNL ELECTRICAL STANDARDS
SECURITY CARD ACCESS AB-2
SINGLE DOOR, CARD IN/FREE EXIT ELECTRIC PANIC w/REX SWITCH

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY NATIONAL LABORATORY
FACILITIES DIVISION

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CAD FILE PATH	
SCALE NTS	
DRAWING NO. SEC127A	SHEET AB-2
PROJECT NO.	